

**AMENDMENTS TO THE CLAIMS**

1. (Original) Process for the manufacture of pentafluoroethane, according to which tetrafluoroethylene is subjected to reaction with an organic nitrogenous base hydrofluoride at a temperature of greater than 100°C and not exceeding 160°C.
2. (Original) Process according to Claim 1, in which the temperature is from 110 to 150°C.
3. (Original) Process according to Claim 2, in which the temperature is from 120 to 140°C.
4. (Previously presented) Process according to claim 1, in which the pressure is maintained from 2 to 30 bar.
5. (Previously presented) Process according to claim 1, in which the organic nitrogenous base hydrofluoride corresponds to the general formula  $[B \cdot nHF]$  in which B denotes the organic nitrogenous base and n denotes a whole or decimal number of less than or equal to 4.
6. (Original) Process according to Claim 5, in which n denotes a number of less than or equal to 3.
7. (Previously presented) Process according to claim 5, in which n denotes a number of greater than or equal to 2.
8. (Previously presented) Process according to claim 1, in which the organic nitrogenous base is selected from the group consisting of from triethylamine and tri(n-butyl)amine.
9. (Original) Process according to Claim 8, in which the organic nitrogenous base is triethylamine.

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10. (Previously presented) Process according to claim 1, in which the reaction is carried out continuously.
11. (Previously presented) Process according to claim 3, in which the pressure is maintained from 2 to 30 bar.
12. (Previously presented) Process according to claim 11, in which the organic nitrogenous base hydrofluoride corresponds to the general formula  $[B \cdot nHF]$  in which B denotes the organic nitrogenous base and n denotes a whole or decimal number of less than or equal to 4.
13. (Previously presented) Process according to Claim 12, in which n denotes a number of less than or equal to 3.
14. (Previously presented) Process according to claim 13, in which n denotes a number of greater than or equal to 2.
15. (Previously presented) Process according to claim 14, in which the organic nitrogenous base is triethylamine or tri(n-butyl)amine.
16. (Previously presented) Process according to Claim 15, in which the organic nitrogenous base is triethylamine.
17. (Previously presented) Process according to claim 16, in which the reaction is carried out continuously.
18. (New) Process according to Claim 2, in which the temperature is from 130 to 140°C.

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19. (New) Process according to Claim 17, in which the temperature is from 130 to 140°C.